



# CR4340 4-Wire Current Transmitter 4-20 mA output

The **CR4340** series, 4-Wire Current Transmitter produces a calibrated 4-20 mA DC signal proportional to the average RMS value of the input alternating current. The output signal is produced by an internal current generator powered from an external 120 Vac supply. The output signal is unaffected by variations in interconnect and load impedance (within specification limits) thus providing a highly accurate means for monitoring alternating current over long distances.

The 4-wire transmitter allows for direct attachment to instrumentation. There is no need for external DC power as required with 2-wire transmitters.

## Features

- Permanently calibrated
- Fully isolated
- Output overload protected
- 13 different ranges - 6 field selectable
- Internal current generator
- 2 case styles, .94" (23.9) and 2.13" (54.1) window opening
- Monitors over long distances

## Specifications

### Accuracy:

±0.5% Full-Scale (FS)

### Ripple & Noise:

1% Max., peak to peak

### Calibrated Signal Out:

4-20 mA DC

### Response Time:

150 ms max., 10-90% FS

### Max. Signal Out:

30 mA DC

### Temperature Coefficient:

± 0.02%/°C

### Supply Voltage:

120 ±10% Vac

### Frequency:

50/60 Hz

### Continuous Thermal Current Rating Factor:

1.50 @ 30°C for ranges-All Ranges up to 75 Amp.

1.33 @ 30°C for ranges 100 Amp. and over

### Short Time Thermal Current

### Rating Factor (For 30 Seconds):

15.0 x Full Scale for AC ranges up to 75 Amp.

4.0 x Full Scale for ranges 400 Amp. and over

### Output Load:

0-1000 ohms

### Insulation Class:

600 V, BIL 10 kV Full Wave

### Operating Temperature Range:

-30°C to +60°C

### Storage Temperature Range:

-55°C to +85°C



Case Style 2

Case Style 1

## Part Numbers

### CR4340 - 4-WIRE CURRENT TRANSMITTER

	Full-Scale (FS) Range in AC Amps	Case Style
5	0-5	1
	0-10*	1
	0-15*	
	0-20*	
	0-25*	
20	0-50*	1
	0-75*	
75	0-100	2
	0-150	2
	0-200	2
	0-300	2
	0-400	2
	0-600	2

\* RANGE SET WITH FIELD SELECTABLE SWITCH

Where to Buy <http://www.JDGASTORE.com/>

- Transducer Selection Guide: [transducer.html](#)
- Application Sheet: [pdf/ancr4340-1.pdf](#)
- Pricing: [pricing/4340.html](#)

